



GreenSpace

DN470B LED20S/830 PSR-E C WH

GreenSpace, 18.6 W, 2150 lm, 3000 K

Customers want to strike the ideal balance between their initial investment and the cost of the installation during its lifetime. GreenSpace is a cost-efficient and sustainable downlight that can be used to replace conventional CFL downlights in general lighting applications. It features the latest LED technology, which enables extremely low power consumption, while delivering consistent light output, stable colour performance and high colour rendering. The product's long lifetime makes it a true 'fit and forget' solution.

Product data

General Information			
Lamp family code	LED20S [LED Module, system flux 2000 lm]	CE mark	Yes
Cap base	- [-]	Warranty period	5 years
Light source replaceable	No	Flammability mark	For mounting on normally flammable surfaces
Number of gear units	Unit	ENEC mark	ENEC mark
Gear	-	Glow-wire test	Temperature 850 °C, duration 5 s
Driver included	Yes	EU RoHS compliant	Yes
Remarks	*- According to the Lighting Europe guidance paper 'Evaluating performance of LED based luminaires – January 2018': statistically there is no relevant difference in lumen maintenance between the B50 and, for example, the B10. Therefore, the median useful life (B50) value also represents the B10 value.		
Product family code	DN470B [200mm]	Light Technical	
Lighting Technology	LED	Luminous Flux	2,150 lm
Value ladder	Specification	Correlated Colour Temperature	3000 K
		Luminous efficacy (rated) (nom.)	118.28 lm/W
		Colour rendering index (CRI)	80
		Beam angle of light source	120 degree(s)
		Light source colour	830 warm white
		Optic type	High-gloss mirror
		Luminaire light beam spread	88°

Unified Glare Rating (CEN)	22
----------------------------	----

Operating and Electrical

Input Voltage	220 to 240 V
Line Frequency	50 to 60 Hz
Inrush current	5.2 A
Inrush time	0.05 ms
Power Consumption	18.6 W
Power Factor (Fraction)	0.9
Connection	Push-in connector and pull relief
Cable	-
Number of products on MCB of 16 A type B	74

Temperature

Ambient temperature range	+10 to +40 °C
---------------------------	---------------

Controls and Dimming

Dimmable	No
Driver/power unit/transformer	Power supply unit external (On/Off)
Constant light output	No

Mechanical and Housing

Housing material	Aluminium
Reflector material	Aluminium and polycarbonate
Optic material	Polycarbonate
Optical cover/lens material	-
Fixation material	-
Housing Colour	White RAL 9003
Optical cover/lens finish	-
Overall height	95 mm
Overall diameter	216 mm

Approval and Application

Ingress protection code	IP20 [Finger-protected]
-------------------------	-------------------------

Mech. impact protection code	IK02 [0.2 J standard]
Protection class IEC	Safety class II

Initial Performance (IEC Compliant)

Luminous flux tolerance	+/-10%
Initial chromaticity	(0.44, 0.40) SDCM<3
Power consumption tolerance	+/-5%

Over Time Performance (IEC Compliant)

Control gear failure rate at median useful life 50,000 h	5 %
Lumen maintenance at median useful life* 50,000 h	L90
Lumen maintenance at median useful life* 100,000 h	L80

Application Conditions

Performance ambient temperature Tq	25 °C
Suitable for random switching	Yes

Product Data

Order product name	DN470B LED20S/830 PSR-E C WH
Full product name	DN470B LED20S/830 PSR-E C WH
Full EOC	871869685106700
Order code	85106700
Material no. (12 NC)	910500457613
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696851067
Numerator – packs per outer box	1
EAN/UPC – Case	8718696851067

